

To: Petri, Elliott[Elliott.Petri@WestonSolutions.com]
From: Way, Steven
Sent: Tue 5/19/2015 9:25:26 PM
Subject: RE: Bulkhead Design - piping question
Red Bonita Bulkhead Specification 4-30-15rv.pdf

Elliott,

You're correct it's ¾ inch, but the spec is Schedule 80 PVC or HDPE. We modified it from 40 to 80 due to a comment about threaded schedule 40....

Steven Way

Federal On-Scene Coordinator

Emergency Response Unit

US EPA - Region 8

1595 Wynkoop Street

Denver, CO 80202

Office: 303-312-6723

From: Petri, Elliott [mailto:Elliott.Petri@WestonSolutions.com]
Sent: Tuesday, May 19, 2015 1:24 PM
To: Way, Steven
Subject: RE: Bulkhead Design - piping question

Hi Steve,

The plans and specifications I have for the Bulkhead show a ¾" (Schedule 40 Stainless Steel) pipe for sampling and pressure and a 3" valve pipe. Would you be using the ¾" pipe for injection as well as sampling? Have there been changes to the plans and specs since the set sent April 3rd, 2015?

Thanks,
Elliott

Elliott Petri, PE

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6156

Cell: 719-216-2754

Fax: 303-729-6101

From: Way, Steven [<mailto:way.steven@epa.gov>]
Sent: Tuesday, May 19, 2015 10:39 AM
To: Petri, Elliott
Subject: Bulkhead Design - piping question

Elliott,

Would you please check the flow capacity of the one inch injection line (under pressure) with a reasonable pump rate capacity assumption. So, if we want to pump molasses into the mine or alcohol, what would be an achievable feed rate, given the altitude, the head and the pipe diameter ?

Let me know if you have questions,

Steve

Steven Way

Federal On-Scene Coordinator

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